

CLAIMS

- 1 1. A sectional door comprising a plurality of panels joined for moving between open
2 and closed positions of the door and having pinch resistant panel-to-panel
3 interfaces, said panels having a body portion spacing said interfaces, an inner
4 surface and an outer surface of said body portion, and decorative components
5 arranged in a patterned design upon said outer surface of said body portion, said
6 decorative components being positioned on said panels proximate to said panel-
7 to-panel interfaces and attached to said panels for movement of said decorative
8 components to provide a pinch resistant interface between decorative components
on adjacent of said panels.
- 1 2. A sectional door according to claim 1, wherein said decorative components
2 include horizontal decorative components and vertical decorative components.
- 1 3. A sectional door according to claim 2, wherein a plurality of said horizontal
2 components are placed along said panel-to-panel interfaces adjacent of said
3 panels and at least one of said vertical components extends between said
4 horizontal component placed along said section-to-section interfaces of said
5 panels.
- 1 4. A sectional door according to claim 2, wherein said horizontal and said vertical
2 components have a length conforming to said panels and at least one channel
3 running along said length to receive fasteners attachable to said panels.
- 1 5. A sectional door according to claim 2, wherein said horizontal and said vertical
2 components have a connecting leg with an inner surface and outer surface, first
3 and second legs interfacing with said outer surface of said panels spaced and
4 joined on said inner surface by said connecting leg, and at least one channel
5 disposed on said inner surface.

- 1 6. A sectional door according to claim 4, wherein said interfacing legs of said
2 horizontal components abutting one another along said section-to-section
3 interfaces and of said interfacing legs are provided with deformable end portions
4 at said panel-to-panel interfaces.
- 1 7. A sectional door according to claim 6, wherein said deformable end portions are
2 integral corner pieces.
- 1 8. A sectional door according to claim 6, wherein said deformable end portions are
2 integral fingers.
- 1 9. A sectional door according to claim 6, wherein said deformable end portions are
2 removable, and are provided with a T-shaped insert adapted to communicate with
3 a T-shaped channel running along said interfacing legs of said horizontal
4 components positioned on said panel-to-panel interface of said panels.
- 1 10. A sectional door according to claim 9, wherein said deformable end portions are
2 of a hollow rectangular shape.
- 1 11. A sectional door according to claim 9, wherein said deformable end portions are
2 of a solid rectangular shape.
- 1 12. A sectional door according to claim 9, wherein said deformable end portions are
2 of a projecting finger shape.
- 1 13. A sectional door according to claim 2, wherein said horizontal components and
2 said vertical components have one channel running along the length thereof and
3 adapted to receive bolts having a head and a shaft for attachment to said panels
4 according to said patterned design.

- 1 14. A sectional door according to claim 13, wherein said channel is T-shaped, and is
2 formed by a first segment and a second segment, said second segment disposed
3 substantially perpendicular to said first segment.
- 1 15. A sectional door according to claim 14, wherein said first segment receives said
2 head of said bolts and said second segment receives said shaft of said bolts, said
shaft of said bolts passing through holes in said panels and secured by nuts.
- 1 16. A sectional door according to claim 2, wherein said horizontal components and
2 said vertical components have a first channel and a second channel running along
3 the length thereof adapted to receive spring clips having base portions and two
4 deformable semi-circular shaped arms selectively extending from said base
5 portion in either of clockwise or counter-clockwise directions for attachment to
6 said panels according to said patterned design.
- 1 17. A sectional door according to claim 16, wherein a dividing leg is positioned
2 between said first and second interfacing legs, and said first channel is formed
3 between said first interfacing leg and said dividing leg and said second channel
4 is formed between said second interfacing leg and said dividing leg.
- 1 18. A sectional door according to claim 16, wherein the one semi-circular arm of said
2 spring clip is inserted into said first channel and the other semi-circular arm of
3 said spring clip is inserted into said second channel.
- 1 19. A sectional door according to claim 16, wherein said spring clip is attached to
2 said panel via an insertion member centrally positioned on said base portion.
- 1 20. A sectional door according to claim 1, wherein at least some of said decorative
2 components are movable by deformation.

- 1 21. A sectional door according to claim 1, wherein at least some of said decorative
2 components are attached to said panels by fasteners and movable by an extent of
3 displacement of said decorative components relative to said fasteners and said
4 panels.
- 1 22. A method of constructing a pinch resistant sectional door having a decorative
2 outer surface comprising the steps of, providing a plurality of panels having pinch
3 resistant interfaces, joining adjacent panels with hinges for articulation in moving
4 from a closed vertical position to an open horizontal position, providing
5 decorative components sized to establish a desired decorative pattern on the outer
6 surface of the door, and attaching the decorative components to the panels in a
7 manner permitting movement of the decorative components proximate the panel-
8 to-panel interfaces to provide a pinch resistant interface between decorative
9 components on adjacent of the panels.
- 1 23. A method of claim 22, wherein the decorative components are provided with
2 deformable surfaces to permit movement proximate the panel-to-panel interfaces.
- 1 24. A method of claim 22, wherein the decorative components are mechanically
2 attached to said panels such as to permit relative movement therebetween.
- 1 25. A method of claim 22, including the step of mounting fasteners on said panels
2 and attaching the decorative components thereto in a manner permitting
3 movement relative to said panels.
- 1 26. A sectional door comprising a plurality of panels joined for moving between open
2 and closed positions of the door and having pinch resistant panel-to-panel
3 interfaces, said panels having a body portion spacing said interfaces, an inner
4 surface and an outer surface of said body portion, and decorative components
5 arranged in a patterned design upon said outer surface of said body portion, said

6 decorative components being positioned on said panels proximate to said panel-
7 to-panel interfaces, and means for permitting movement of said decorative
8 components to provide a pinch resistant interface between decorative components
9 on adjacent of said panels.

1 27. A sectional door according to claim 26, wherein said means for permitting
2 movement of said decorative components is a deformable surface thereof.

1 28. A sectional door according to claim 26, wherein said means for permitting
2 movement of said decorative components includes fasteners permitting relative
3 movement between said decorative components and said panels.